GOVERNMENT OF INDIA
POWER
LOK SABHA

UNSTARRED QUESTION NO:886
ANSWERED ON:22.11.2001
CONDITION OF POWER GENERATING PROJECTS
NAWAL KISHORE RAI;RAMDAS RUPALA GAVIT;RAMJI LAL SUMAN;SUSHIL KUMAR INDORA

Will the Minister of POWER be pleased to state:

(a) whether the Government have formulated any scheme to modernise the present power generating projects to improve their capacity;

(b) if so, whether such projects have been identified under this plan;

(c) if so, the details thereof;

(d) the funds allocated by the Government for the said scheme during the last year;

(e) the additional power is likely to be generated in the country after implementing this scheme;

(f) whether the existing on-going power projects are likely to be able to generate more and cheap power by doing some improvement in them in comparison to establish new Power Projects; and

(g) details thereof?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA)

(a) to (g) : Yes, Sir, the Government has launched a new scheme called Accelerated Power Development Programme (APDP)Under APDP, projects relating to renovation and modernization/life extension/uprating of old power plants (thermal and hydro), upgradation of sub-transmission and distribution network including metering are being financed. Renovation and Modernisation schemes are financed by the Power Finance Corporation through a combination of loan and grant. During the financial year 2000-01, a total provision of Rs.1000 crores was kept under APDP for R&M of power plants andupgradation of sub-transmission and distribution system including metering. During 2000-2001, 29 schemes were approved involving an outlay of Rs.704 crores under the APDP.
During the 10th Plan Rs.2900 crores (Rs. Two thousand nine hundredcrores) would be required for renovation and modernization, uprating and life extension works of 209 hydro generating units with an installed capacity of about 7500 MW. Rs.9900 crores (Rs. Nine thousand and nine hundred crores) would be required for refurbishment and R&M works in respect of 141 thermal units (106 units of 11000 MW refurbishment works + 35 units of 6400 MW for R&M works) with an installed capacity of 17400 MW.

After implementation of life extension works on thermal units during the 10th Plan, there will be about 57% increase in thermal generation and the life of about 11000 MW capacity will get extended by another 15-20 years. In addition, by carrying out R&M of hydro generating units during the 10th Plan, additional generation of about 12000 MUs will be available as a result of up-rating and life extension of hydro units.

The existing power projects would be able to generate more and cheaper power by carrying out Renovation & Modernisation works. The maximization of the generation from the existing power plants by R&M works is considered to be a cheaper and cost effective option in comparison to establishing new power projects. By carrying out R&Mand life extension works, additional generating capacity can be achieved at about 20-30% of the cost of new power projects depending upon the present condition and the age of the plant.